| Purpose | |\_\_\_\_|

To inform IDMS users on how to convert IDMS DB-Keys to individual page and line numbers.

| Reference | |\_\_\_|

IDMS DB/DC DML COBOL Reference (release 5.7) IDMS/R Database Operations

| General Information | |

To convert a DB-Key into individual page and line numbers use the following algorithm:

DBKEY-PAGE = DBKEY / 256

DBKEY-LINE = DBKEY - (DBKEY-PAGE \* 256)

DBKEY is the four-byte binary database key.

DBKEY-PAGE is the three-byte binary database page number.

DBKEY-LINE is the one-byte binary database line number.

These algorithms can be coded in COBOL as follows:

The DB-Key should be moved to a larger field before the actual equation.

MOVE DBKEY TO EXPANDED-DBKEY.

DIVIDE EXPANDED-DBKEY BY 256 GIVING DBKEY-PAGE REMAINDER DBKEY-LINE.

EXPANDED-DBKEY is defined as S9(10) COMP SYNC.